

# MONUMENT RECORD

Corner ID: InCr\_G21

## Quarter Corner

Sections 29 & 32-T07N-R02W, 2<sup>nd</sup> P.M.  
Indian Creek Township, Monroe County, Indiana



### EXISTING SURVEY HISTORY

Include as much detail and history of the corner as known at the time of perpetuation.

#### ORIGINAL GOVERNMENT SURVEY:

Year Surveyed: **1815** By: **Arthur Henrie**

Where filed or recorded: **F\_EV02P287**

Original monument: **Wood post**

Bearing Trees or Reference Monuments:

Species	Dia.	Bearing	Distance
<b>Sugar</b>	<b>6"</b>	<b>N 48° E</b>	<b>24.4'</b>
<b>W.Oak</b>	<b>20"</b>	<b>N 75° W</b>	<b>15.8'</b>

Notes:

#### SUBSEQUENT CORNER RESTORATION:

Date Surveyed: **11/1/1856** By: **James Spencer**

Where filed or recorded: **MCSO LSB 1, pg 317**

Original monument: **Not described**

Bearing Trees or Reference Monuments:

Species	Dia.	Bearing	Distance

Notes: **Spencer commenced his survey at this corner, but did not describe the monument or take new witnesses**

**SURVEY EVIDENCE FOUND:** Include evidence found and weighed, search area or areas, search procedure, etc.

Date of Search: **3/17/2022 and 3/24/2022** By: **Rachel and Phil Oser** Monument Found: **PK Nail** BTs or Reference Objects

Found: **Found all witness ties from Pending Monument Record dated 11/5/2010** Notes: **Did not accept nail**

**OTHER SURVEY HISTORY:** Include details such as surveyor name, date, recording info, monument description, etc.

Date	Surveyor	Description	File Location
<b>11/1/1856</b>	<b>Spencer, James</b>	<b>Legal Survey in Section 29</b>	<b>MCSO LSB 1, pg 317</b>
<b>8/3/2000</b>	<b>Utt, Lee</b>	<b>30.19 acres for Raines in Section 32 (Calculated the corner and set a 30-foot witness to the south)</b>	<b>MCR 2000021024</b>
<b>3/16/2001</b>	<b>Tibbett, James C.</b>	<b>Section 29 plat (Calculated the corner and accepted Lee Utt's 30-foot witness to the south)</b>	<b>MCR 2001017175</b> <b>MCR 2001017176</b>
<b>11/16/2004</b>	<b>Archer, Steven W.</b>	<b>Two tracts in Section 29 (Accepted Lee Utt's witness but called it out as 25 feet instead of 30 feet and set the pk)</b>	<b>MCR 2004025976</b>

### PERPETUATION RECORD

**MONUMENT:** Describe monument set or found (Include material type, scribing, distance above/below grade, dimensions.)

**5/8" x 20" rebar with a 2" aluminum cap stamped "MONROE COUNTY SURVEYOR 1/4 S29 + S32 21100022" set flush in Thacker Road.**

**OTHER EVIDENCE:** Describe corner location relative to nearby features and how to reach the corner location – note fences, roads, timber cutting lines, mow lines, clearings, plantings, streams, topo changes, etc.

**The rebar is 2.5 feet south of the north edge of asphalt of Thacker Road, which is 16.5 feet wide.**

**THEORY OF LOCATION:** Describe the theory of location for acceptance of this monument with reference to the recording information for the survey upon which this record is derived. Said recorded survey shall be certified by the same professional surveyor who certifies this document, shall identify and accept this monument, and shall have been recorded within (3) years of Form submittal.

**The rebar was set at the intersection of the north line of Section 32 as measured between the rebar found at the northwest corner (E21) with the rebar found at the East 1/16 corner (H21) with the north to south half section line as measured between the Utt rebar found at a 30-foot witness (Witness Tie D below) to the North 1/4 of Section 32 (G21) and the Curry rebar found at the Center-South-South 1/64 corner (G24.5). The corner thus established is within 0.2 feet of the midpoint between the northwest and northeast corners of Section 32 and is consistent with the calculated location for the corner accepted by Utt and Tibbett in 2000 and 2001, respectively.**

**The pk nail found at Witness Tie A was set by Steven Archer in 2004. Archer held the Utt rebar found at Witness Tie D to establish the east/west position of the pk, and his survey plat indicates that he held railroad spikes at E21 and H21 to establish the north line of Section 32. Based on ties to other monuments from Archer's survey, the railroad**

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*spike he held at E21 would be 13.9 feet south of the rebar that is currently of record at that corner. In addition to the survey listed above, Steven Archer also surveyed two tracts in the Northeast 1/4 of the Northeast 1/4 of Section 32, as shown on a survey dated 2/16/2004 and filed digitally in the Monroe County Surveyor's Office as RSID 002105. Ties to this Archer survey show that the railroad spike that he held at E21 was in the same location as the rebar that is currently of record. This is an indication that there was an error in the location of E21 shown on the Archer survey recorded as Instrument Number 2004025976, which led to the pk nail being set in the wrong place. No record of reliance on the pk nail was found beyond Archer's 2004 survey.*

### UNCERTAINTIES IN THE CORNER LOCATION DUE TO:

- Variances in the Monumentation: **4.5 feet.**
- Discrepancies in the Documents: **5 feet.**
- Inconsistencies in the lines of Occupation: **None noted.**
- Theoretical Uncertainty (Random Errors in Measurement): **The Relative Positional Accuracy of this survey is within the specifications for an Indiana Rural Survey (0.26 feet plus 200 ppm) as defined in IAC 865.**

**MONUMENT PRESERVATION:** Describe work done to preserve existing monument. Stone mounds should be placed around monuments when stones are readily available. Paint corner stones but not the scribing. A Monroe County "PROTECT NEARBY SURVEY MARKER" sign shall be attached to a steel post when practicable. Note location and relation of corner to sign.

***A steel t-post with a Monroe County Survey Marker sign attached 2 feet above grade was found on the north bank of Thacker Road at Witness Tie B.***

**GEODETIC COORDINATES:** Northing: **1369268.50'**, Easting: **3073942.50'**

**BASIS OF GEODETIC COORDINATES:** Describe equipment, date, and personnel used to collect coordinates, datum, epoch, geoid and zone. ***The basis of bearings is Grid North System NAD83(2011)/Indiana West NAVD 88, Epoch 2010.0000, geoid18b\_conus.db3, US Survey Feet. This project was referenced to the National Spatial Reference System CORS network using the JAVAD GNSS Data Online Processing Service (DPOS) to post-process static observations collected with a Javad Triumph 3 base. Reported coordinates were determined either from static, RTPK, or RTK GNSS observations (Javad Triumph LS Rover) or radially with a conventional total station (Nikon Nivo) from points established by GNSS observations.***

**WITNESS MONUMENT TIES:** Describe at least three new BT's and/or witness objects established or work done to preserve existing evidence. The following procedures are provided for guidance. Please utilize professional judgment when choosing witness ties. All ties to BT's should be a magnetic nail and washer (state what kind) set in a hack mark at root crown (less than 12" above ground) perpendicular to center of tree unless otherwise noted. All monuments should be tied to at least three accessories with a minimum of 60° of separation. BTs should be healthy with a minimum DBH of 4". BT description should include tree species, diameter at 4.5' above ground, distance of nail above ground, and description of nail location (e.g., SE side of root). Note bearing from monument to the center of the BT, distance to the nail. Other survey monuments that were located in the vicinity and their relation to the monument may also be included.

ID	Bearing	Distance	Description
<b>A</b>	<b><i>S 15°46'6" W</i></b>	<b><i>4.47'</i></b>	<b><i>PK nail found 0.25 feet below grade</i></b>
<b>B</b>	<b><i>N 9° W</i></b>	<b><i>14.8'</i></b>	<b><i>Steel t-post with Monroe County Survey Marker sign attached 2 feet above grade on the north bank of Thacker Road</i></b>
<b>C</b>	<b><i>N 80° E</i></b>	<b><i>33.6'</i></b>	<b><i>South face of mailbox post #8499</i></b>
<b>D</b> <b>#10200</b>	<b><i>S 2°26'25" W</i></b>	<b><i>29.86'</i></b>	<b><i>5/8" rebar with yellow plastic cap stamped "UTT S-0089" found 6" tall</i></b>

Notes: ***Distances to witness ties were measured with a 100-foot steel tape. Bearings to witness ties were collected with the internal magnetic compass of the Javad Triumph LS and were automatically adjusted to Grid North. Bearings to witness ties are approximately shown hereon for reference. Priority should be given to provided distances over bearings. Witness ties A and D were measured with RTK.***

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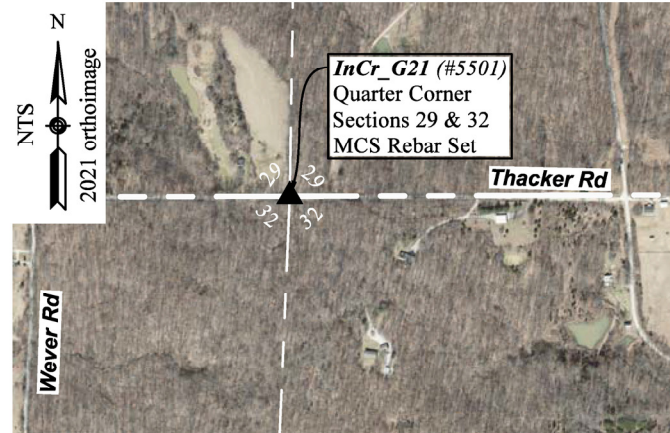
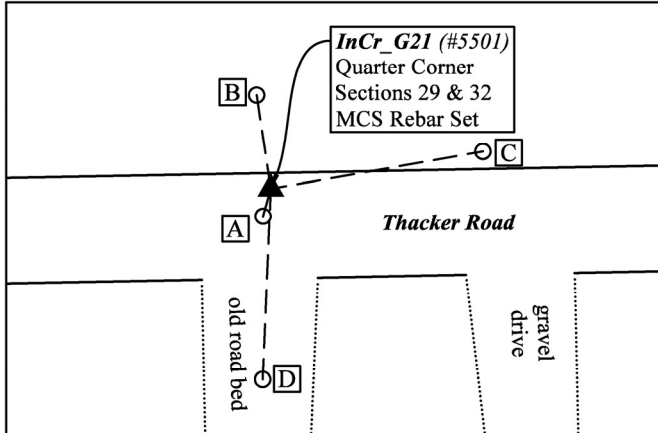
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**MONUMENT LOCATION SKETCH:** Optional: Attach a sketch or aerial image. Monument sketch is not required for reimbursement.



**PHOTO IDENTIFIED:** Photograph close up photo of monument and a vicinity photo of the monument that includes the Monroe County “PROTECT NEARBY SURVEY MARKER” sign. Provide photo orientation and date. Additional photos may be included by clicking the “+” button at the end of the horizontal line.

Photo Date: 3/24/2022



Photo Orientation & Description: *Capped rebar at G21*



Photo Orientation & Description: *Looking north at G21*

### FIELD PERSONNEL:

Field Date: 3/24/2022 By: *Rachel Oser & Phillip Oser* Project #: 10174C.01 Corner Perpetuation Survey for Indian Creek Township Sections 31, 32, 33 & 34, Township 7 North, Range 2 West Field Book: 3, page: 45 Notes: None

### CERTIFICATION:

Professional Surveyor Name: *Rachel Oser*

Indiana Professional Surveyor No.: 21100022

Firm Name: *Oser Surveying & Mapping LLC*

Date: 3/31/2022

Signature:

*Rachel Oser*



Seal:

*This document is not complete without the associated plat and report of even date.*

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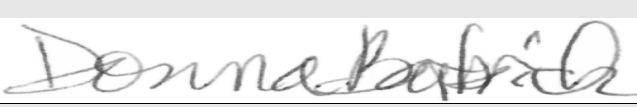

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Indian Creek Township, Monroe County, Indiana



### OFFICE USE ONLY

<b>NOTICE TO PROCEED AND MONUMENT RECORD FORM ISSUED TO:</b>			
Offeror Name: <i>Rachel Savich Oser</i>		Firm Name: <i>Oser Surveying &amp; Mapping LLC</i>	
Phone: <i>812-320-2694</i>		Email: <i>Rachel@OserSurveying.com</i>	
Corner Classification: <i>Perpetuated</i>		Corner Coordinate Status: <i>Survey Grade</i>	
Issue Date: <i>2/23/2022</i>	Form Due Date: <i>3/31/2022</i>	Form Receipt Date: <i>7/27/2022</i>	
Recorded Instrument Number of Associated Corner Perpetuation Survey: <i>2022010375.IN</i>			

<b>COUNTY SURVEYOR APPROVAL:</b>		Seal:
<input checked="" type="checkbox"/> Yes, Signature: 	Date: <i>9/27/2022</i>	
<input type="checkbox"/> No, reasons for denial		

<b>SURVEYOR REVIEW BOARD APPROVAL:</b>		Seal:
<input checked="" type="checkbox"/> Yes, Signature: 	Date: <i>9/27/2022</i>	
<input type="checkbox"/> No, reasons for denial		